



U.S. Department of Energy  
**Energy Efficiency  
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**Building Energy Codes**

# Web-Based Training: Should it be on Today's Menu?

U.S. Department of Energy  
Building Energy Codes Program

Pam Cole  
Rosemarie Bartlett

# BECP Training History

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- Stand-up
- Videotapes
- Satellite broadcasts
- Computer-based (CDs)

... **Then**

**Now...**

- Stand-up
- Webcasts
- Self-paced
- Online videos

# Webcasts

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- Pros
  - Reach a larger audience
  - Lower cost per student
  - Travel/availability
- Cons
  - Rely on service provider
  - Technical issues
  - Not great for “Hands-on” activities

# Webcasts - Things to Consider

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- Date/Time of Event
- Material Preparation
- Announcement
- Registration
- Issues Prior to Event
- Issues During Event
- Follow-Up

## Date/Time of Event (A)

---

- When
- Who

## Date/Time of Event (B)

---

- Time zones
- Other events

# Material Preparation (A)

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- Length of material
- Material approved by others
- Format

# Material Preparation (B)

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- Responsible?
- Due date?
- Web service provider?



# Announcement – Website (A)

DOE: Building Energy Codes - Residential Requirements of the 2006 IECC - Microsoft Internet Explorer

Address: <http://www.energycodes.gov/training/online/2006iecc.htm>

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## Building Energy Codes Program

**Home**  
**About the Program**  
Program Highlights  
**Compliance Tools**  
Residential (REScheck)  
Commercial (COMcheck)  
On-line Compliance Tools  
Federal Building Codes - Commercial  
**Training/Education**  
Residential Training  
Commercial Training  
Events Calendar  
Energy Codes Glossary  
Annual Workshop  
**Implementation Tools**  
Resource Center  
DOE 2004 Proposals  
DOE Determinations  
DOE Assistance  
Resource Materials  
Status of State Energy Codes  
Setting the Standard  
**Technical Support**  
Code Notes  
**Related Links**

**FREE Live Webcast and Q&A**  
**Residential Requirements of the 2006 International Energy Conservation Code (IECC)**  
**Thursday, April 20, 2006**  
**10:00 AM - 11:30 AM Pacific Time**

1:00 PM - 2:30 PM Eastern  
12:00 PM - 1:30 PM Central  
11:00 AM - 12:30 PM Mountain  
10:00 AM - 11:30 PM Pacific  
9:00 AM - 10:30 AM Alaska  
7:00 AM - 8:30 AM Hawaii

**Speaker:**  
Pam Cole, Pacific Northwest National Laboratory

**Description:** Residential Requirements of the 2006 International Energy Conservation Code (IECC) - This 90-minute live webcast, sponsored by DOE, will provide an overview of the residential requirements of the 2006 International Energy Conservation Code. The webcast will include a 60-minute presentation followed by a live, 30-minute Q&A session.

**Resources:**

- Presentation: Residential Requirements of the 2006 International Energy Conservation Code.  
([PDF 4.8 MB](#))  
([MS PowerPoint 3.1 MB](#))

**Registration - Now Closed:**

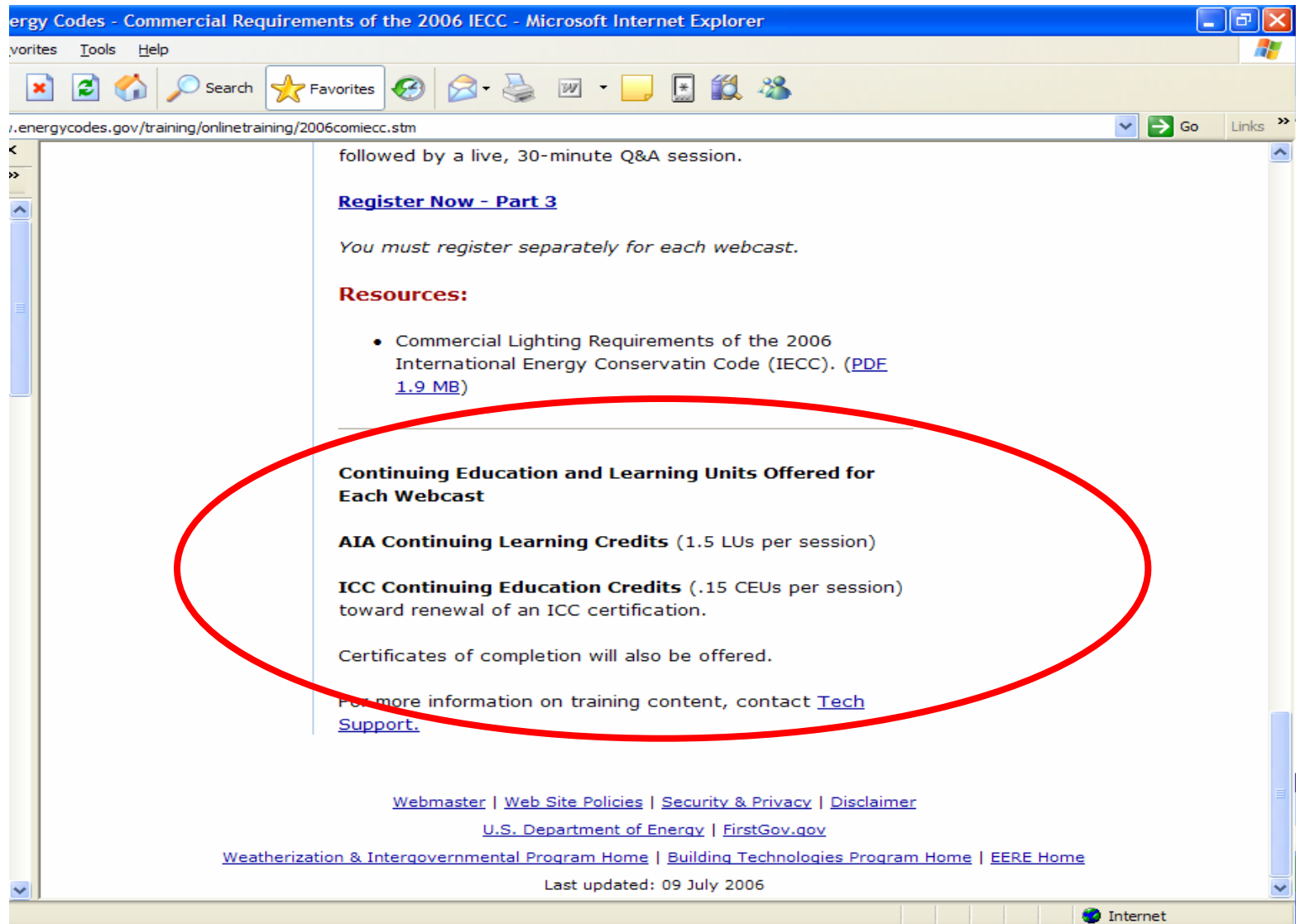
**Search energycodes.gov**  
Search  
Search Help > More Search Options >

Site Map  
**Need Help?**  
Ask an Energy Codes Expert  
(Software Tools and Energy Codes Assistance)  
EERE Information Center  
Printer Friendly Format

**Date/Time: Important to give different time zones**

**Make presentation available ahead of time**

# Announcement Website (A)



# Announcement – Website (B)

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- Information layout
- CEUs

# Announcement – Email (A)



## Live Webcast

(No Cost)

## Residential Requirements of the 2006 International Energy Conservation Code (IECC)

Thursday, April 20, 2006

10:00 am to 11:30 am Pacific Time

This live one-hour webcast followed by a 30-minute Q & A session with participants will provide an overview of the residential requirements of the IECC.

**Don't Wait!**

[Registration is Open!](#)

***Limited Space Remaining!***

**Note:** If you plan to view the webcast with others at a shared location, only one registration is needed

## Announcement – Email (B)

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- Forward email to a friend
- Forward certain details (but not entire email)
- Registration?

# Registration (A)



U.S. Department of Energy

## Building Energy Codes

Welcome to the Commercial Lighting Requirements of the 2006 IECC registration page. Advanced registration for this event will enable us to provide you with faster, more efficient service. When you have completed registration, you will receive an online and e-mail confirmation. Your confirmation will include an event passcode and PIN that will ensure your secure access on the day of the event. **Please Note: If registration is completed after July 11th, 2006 at 3:00 pm PST, please go to <http://www.energycodes.gov/training/onlinetraining/2006iecc.stm> to download course materials.**

Please respond to the following questions to complete the registration process. Required fields are indicated with an \*.

First Name:*	<input type="text"/>
Last Name:*	<input type="text"/>
Email Address:*	<input type="text"/>
Company:*	<input type="text"/>
Occupation:*	<input type="text"/> ▼
If occupation is not listed above, please enter it here.	
State:*	<input type="text"/>
Phone number:*	<input type="text"/>
<input type="button" value="Submit"/>	

### Conference Information

Host's Name:	United States Department of Energy
Conference Title:	Commercial Lighting Requirements of the 2006 IECC
Event Date:	7/13/2006
Event Time:	10:00 AM Pacific Time
Call Duration:	01 hours 30 minutes
Description:	The above call details can be used to join the scheduled event. Please plan to join this event at least 5 minutes prior to the scheduled start time. After entering your dial-in number, you will be prompted to enter your passcode and PIN. The PIN provided will identify you as the registered participant for this event, and should only be used by the individual who has registered.

## Registration (B)

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- Confirmation?
- Read it?
- Presentation copies?
- Multiple viewers at one site?
- Registration required?
- Attendee limit?

# Registration - Reminder



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Thank you for registering for the **Commercial Mechanical Requirements of the 2006 International Energy Conservation Code (IECC)** online seminar. If you would like to print a copy of the presentation in advance of the seminar, please go to:

[http://www.energycodes.gov/training/2006iecc\\_6\\_22pres.pdf](http://www.energycodes.gov/training/2006iecc_6_22pres.pdf)

**PLEASE NOTE:** Registration is full. Please be prepared to call in and join the event 15 minutes prior to the seminar start time. You will need BOTH a computer with an Internet connection AND a phone to participate.

*You will need BOTH a computer with an Internet connection AND a phone to participate. You must turn OFF popup blockers before attempting to join the event!!*

## **Seminar Information:**

Date: Thursday, June 22, 2006

Time: 1:00 p.m. EST, 12:00 p.m. CST, 10:00 a.m. PST

Toll-free Dial-in: **888-771-4366**

Toll Dial-in: **847-585-4358**

Conference Passcode: **9155972**

Your Personal PIN: **42474**

Web conferencing URL: <http://web.meetme.net/r.aspx?p=2&a=70541463291658>

**Send a Reminder Two Days Prior  
to Event**

Thank you,

We look forward to your attendance.



## Registration – Reminder (B)

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- Phone AND computer?
- Presentation copies?

# Event

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- Call in early
- Log in early
- “No show” rates

## Event (B)

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- Log in
- Have trouble
- Presentation copies?
- Logistics of handling questions
- Unanswered questions?
- Evaluation/feedback from attendees

# Follow-Up

---

- Answer all questions not answered “live”
- Provide statistics on attendance, etc.
- Evaluate the evaluations

# Thank You Page



The screenshot shows the 'Building Energy Codes Program' website. At the top, the U.S. Department of Energy logo is on the left, followed by the text 'U.S. Department of Energy' and 'Energy Efficiency and Renewable Energy'. To the right is a tagline: 'Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable'. Further right is a graphic of a house with a checkmark. In the top right corner, there is a link for 'EERE Home'. Below this is a green banner with the text 'Building Energy Codes Program'. Under the banner is a wide image of a city skyline. On the left side, there is a navigation menu with links: 'Home', 'About the Program' (with a sub-link 'Program Highlights'), 'Compliance Tools' (with sub-links 'Residential (REScheck)', 'Commercial (COMcheck)', 'On-line Compliance Tools', and 'Federal Building Codes - Commercial'). The main content area contains a red 'Thank you' message, a link to a webcast, and instructions on how to receive credits or a certificate. On the right side, there is a search bar with the text 'Search energycodes.gov', a 'Search' button, and links for 'Search Help', 'More Search Options', 'Site Map', 'Need Help?', 'Ask an Energy Codes Expert', 'EERE Information Center', and 'Printer Friendly Format'.

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EERE Home

## Building Energy Codes Program

Home

About the Program  
Program Highlights

Compliance Tools  
Residential (REScheck)  
Commercial (COMcheck)  
On-line Compliance Tools  
Federal Building Codes - Commercial

Thank you for your participation in the Commercial Requirements of the 2006 International Energy Conservation Code (IECC) - Part 1: Envelope Requirements Webcast.

In order to receive AIA LUs, ICC Continuing Education Credits, or to print a Certificate of Completion, [click here](#).

For more information on training content, contact [Tech Support](#).

Search energycodes.gov  
Search  
Search Help > More Search Options >

Site Map  
Need Help? -  
Ask an Energy Codes Expert  
(Software Tools and Energy Codes Assistance)

EERE Information Center

Printer Friendly Format

**Allows participants to:**

- **Complete Evaluation Form**
- **Take Test**
- **Print a Certificate**

# Thank You Page (B)

---

- Evaluation?
- Test?
  - AIA?
  - Other?
- Certificate?

# Evaluation Form



Thank you for your participation in the webcast "Commercial Requirements of the 2006 International Energy Conservation Code (IECC) - Part 1 Envelope Requirements" conducted June 15, 2006. Please take a few minutes to provide your feedback on this event.

In order to receive AIA LUs, ICC Continuing Education Credits, or a certificate of completion, you will need to complete this evaluation form and click Submit at the bottom of the form.

Please rate the following: 1 = Low and 5 = High

**Overall rating of the training program**

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5

**Ease of Access to Web-Based Broadcast**

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5

**Overall Effectiveness of Presenter: Eric Makela**

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5

**Would you participate in another webcast?**

☐ Yes ☐ No

**What state do you work in?**

State Name (i.e. Alaska)

**Which of the following do you use for energy code compliance? (Check all that apply)**

- ☐ Technical Assistance (techsupport@becp.pnl.gov)
- ☐ Website (www.energycodes.gov)
- ☐ REScheck/COMcheck
- ☐ Resource Center (http://resourcecenter.pnl.gov/cocoon/morf/ResourceCenter)
- ☐ Online Compliance Tools (REScheck-Web, Prescriptive Tools)
- ☐ None (Please explain)

**What additional training topics would you be interested in?**

**Overall Rating**

**Ease of Access**

**Overall Effectiveness of Presenter**

**Participate Again?**

**State**

**BECP Products**

**Additional Topics**

**Other Comments**


# Evaluation Form (B)

---

- Why?
- Gripes
- Suggestions



# Test



energycodes » 2006 IECC 6/15 » Quizzes » Commercial Requirements of the 2006 - Part 1: Envelope » Attempt 1

### Commercial Requirements of the 2006 - Part 1: Envelope

Attempt 1

1

The 2006 IECC requires buildings with more than 40 percent glass to wall area to use 90.1 or Total Building Performance Approach.

1 Marks

Answer: ☐ True ☐ False

2

The 2006 IECC has 8 climate zones combined with 3 moisture categories.

1 Marks

Answer: ☐ True ☐ False

3

Continuous insulation is insulation placed between framing members.

1 Marks

Answer: ☐ True ☐ False

4

Insulation placed on a suspended ceiling with removable ceiling tiles does not meet energy code requirements.

1 Marks

Answer: ☐ True ☐ False

5

Below-grade wall insulation must extend down 12 ft. from the finished grade level or to the level of the floor, whichever is less.

1 Marks

Answer: ☐ True ☐ False

6

Slab insulation for an unheated slab is required only in climate zone 8.

1 Marks

Answer: ☐ True ☐ False

Software  
grades the  
test and  
“logs” results

## Test (B)

---

- Why?
- Who?
- How?

# Certificate

## Commercial Requirements of the 2006 International Energy Conservation Code (IECC) - Part 1: Envelope Requirements

Thursday, June 15, 2006

Congratulations on completing the *Commercial Requirements of the 2006 International Energy Conservation Code (IECC) - Part 1: Envelope Requirements* training. You are eligible for a Certificate of Completion, 1.5 American Institute of Architects (AIA) Learning Units (LUs) or ICC Continuing Education Credits (0.15 CEUs) toward renewal of an ICC certification.

### Print Certificate of Completion

If you enter your name in the box below and press "Create Certificate", a printable certificate of completion will be created.

Be sure to select "Save To Disk" or "Save" when prompted to save the certificate to your local computer.

User Name:

Create Certificate

### AIA Members - Apply for 1.5 AIA Learning Units

In order to receive AIA LUs, AIA requires that participants take and pass (by 80%) a test. **IN ORDER TO MEET AIA'S SUBMITTAL REQUIREMENTS, ALL AIA MEMBERS MUST TAKE THE TEST BY Tuesday, June 27, 2006. BECP WILL NOT BE ABLE TO SUBMIT TESTS TAKEN AFTER THIS DATE TO AIA.**

To take the test, go to: <http://energycode.pnl.gov/moodle/course/view.php?id=25&refSite=webcast>

**Allows participants to  
generate/print their own  
certificates**

## Certificate (B)

---

- How?
- What do I do with it?
- Doesn't work

# Self-Paced

---

- Schedules/availability
- Information links, etc.
- Instructor accessibility

# Self-Paced – Things to Consider

---

- Topic
- Length
- Tool to use
- Questions
  - Technical
  - Logistical
- Records?

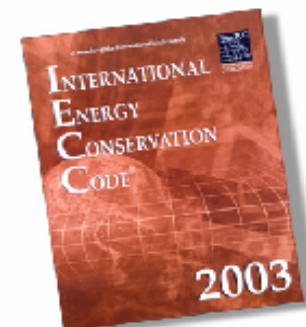


# Scope and Application of the IECC

When does the IECC apply?

- Newly conditioned space
- New construction in existing buildings
- Alterations to existing buildings
- Additions
- Mixed use buildings
- Change in occupancy

Note: buildings with window and glazed door area >50% of the gross area of above-grade walls must meet the envelope provisions of ASHRAE/IESNA 90.1.



<<Previous

Exit

Next>>

# Online Videos

---

- Schedules/availability
- Refresher
- Own pace (rewind, etc.)



# Online Videos – Things to Consider

- Format
- Access
- Downloadable or streaming
- Server load
- Additional resources

- **Residential Requirements of the 2006 IECC Training Broadcast** - Windows Media Player ([WMV 5.9 MB](#))
- **Residential Requirements of the 2006 IECC Training Broadcast** - Flash Video

## Resources:

- Presentation: Residential Requirements of the 2006 International Energy Conservation Code.  
59 pages ([MS PowerPoint 4 MB](#))  
30 pages ([PDF 2.4 MB](#))

# Schedule of Webcast Activities

Timing	Activity
6 wks	Identify topic and set date
6 wks	Secure speakers
4 wks	Notify internal organization and set a location for them to view webcast (so they don't take up your "slots")
4-6 wks	Reserve webcast service for event and a dry run session
4-6 wks	Make sure technical assistance is available for event date
4 wks	Marketing [announcement email blast (use electronic medium to advertise webcasts); determine target audience query; have registration system set up; have plan to handle group sites]
Ongoing	Monitor registration
3-4 wks	Prepare instructional materials (log in/call in information; helpful hints for using webcast service)
1-2 wks	Create evaluation form (ease of log-in, future topics)
1-2 wks	Obtain presentation from speaker(s)
2-3 days	Send instructions with a pdf (or link to pdf) of presentation – useful for participants to take notes
2-3 days	Prepare "loop" presentation – loops during 15-30 minutes prior to event – has instructions for participation during webcast (can't be used for log-in instructions because they're already logged in)
1-2 days	Conduct dry run
1 hour	On broadcast computer: open software needed during broadcast and close all unneeded software (including email and anything else that sends notifications)
After	Obtain actual attendance list
After	Send (or direct folks to) evaluation form
	How will attendees obtain a certificate of completion (watch costs with this; can be costly with a big event)
After	Respond to all unanswered questions

## Suggestions:

- Have someone available to help speaker(s) with questions
- If doing several webcasts – keep a simple summary spreadsheet with event title, date, # of attendees, and any other pertinent information you may be asked for later.